

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:
What is claimed is:

1. (Withdrawn) Genes for diagnosing colorectal cancer, the gene sequences searching comprising the steps of:

- (1) deriving epithelium cells from normal intestines, polypus of intestines and colorectal cancer tissue;
- (2)collecting genes with highly differential gene expression by Suppression Subtractive Hybridization (SSH), and building library ;
- (3)deriving colonies with relatively high signal intensities from cancer tissue;
- (4)collecting more clinically cancer tissues by Northern Hybridization, real-time Polymerase Chain Reaction (PCR) combined with analysis of bioinformation to affirm variation between differential gene expression; and
- (5) selecting the most suitable genes from said library.

2. (Currently amended) Genes for diagnosing colorectal cancer, the gene sequences are selected from the group consisting of:

- ~~(1) A gene sequence as set forth in HS ID: Hs.107213
—and Acc No.: BC027178;~~
- ~~(2) A gene sequence as set forth in HS ID: Hs.123107
and Acc No.: NM_002257;~~
- ~~(3) A gene sequence as set forth in HS ID: Hs.1369 and
Acc No.: NM_000574 ;~~
- ~~(4) A gene sequence as set forth in HS ID: Hs.151254
and Acc No.: NM_005046 ;~~
- ~~(5) A a gene [[gene]] sequence as set forth in Sig. ID
No. 5. HS ID: Hs.1526 and Acc No.: NM_001681 ;~~
- ~~(6) A gene sequence as set forth in HS ID: Hs.184270
and Acc No.: NM_006135 ;~~
- ~~(7) A gene sequence as set forth in HS ID: Hs.2043 and
Acc No.: NM_001151 ;~~
- ~~(8) A gene sequence as set forth in HS ID: Hs.267871
and Acc No.: NM_005177 ;~~
- ~~(9) A gene sequence as set forth in HS ID: Hs.4935 and
Acc No.: D79998 ;~~
- ~~(10) A gene sequence as set forth in HS ID: Hs.5509~~

~~and Acc No.: NM_006495;~~

~~(11) A gene sequence as set forth in HS ID: Hs.5662~~

~~and Acc No.: NM_006098;~~

~~(12) A gene sequence as set forth in HS ID: Hs.75990~~

~~and Acc No.: NM_005143;~~

~~(13) A gene sequence as set forth in HS ID: Hs.83384~~

~~and Acc No.: NM_006272;~~

~~(14) A gene sequence as set forth in HS ID:~~

~~Hs.10029 and Acc No.: NM_001814;~~

~~(15) A gene sequence as set forth in HS ID: Hs.103982~~

~~and Acc No.: NM_005409;~~

~~(16) A gene sequence as set forth in HS ID: Hs.12314~~

~~and Acc No.: AL049397;~~

~~(17) A gene sequence as set forth in HS ID: Hs.150557~~

~~and Acc No.: NM_001206;~~

~~(18) A gene sequence as set forth in HS ID: Hs.169266~~

~~and Acc No.: NM_000909;~~

~~(19) A gene sequence as set forth in HS ID: Hs.1827 and~~

~~Acc No.: NM_002507;~~

- ~~(20) A gene sequence as set forth in HS ID: Hs.1869
and Acc No.: NM_002633;~~
- ~~(21) A gene sequence as set forth in HS ID: Hs.194148
and Acc No.: NM_005433;~~
- ~~(22) A gene sequence as set forth in HS ID: Hs.2352
and Acc No.: X74210;~~
- ~~(23) A gene sequence as set forth in HS ID: Hs.246885
and Acc No.: NM_017958;~~
- ~~(24) A gene sequence as set forth in HS ID:
Hs.29665 and Acc No.: NM_014944;~~
- ~~(25) A gene sequence as set forth in HS ID: Hs.3235 and
Acc No.: NM_002272;~~
- ~~(26) A gene sequence as set forth in HS ID: Hs.55209
and Acc No.: AF327354;~~
- ~~(27) A gene sequence as set forth in HS ID: Hs.585 and
Acc No.: NM_000384;~~
- ~~(28) A gene sequence as set forth in HS ID: Hs.62187
and Acc No.: AF022913;~~
- ~~(29) A gene sequence as set forth in HS ID: Hs.63290~~

~~and Acc No.: NM_012260 ;~~

~~(30) A gene sequence as set forth in HS ID: Hs.699 and~~

~~Acc No.: NM_000942 ;~~

~~(31) A gene sequence as set forth in HS ID: Hs.74111~~

~~and Acc No.: NM_007367 ;~~

~~(32) A gene sequence as set forth in HS ID: Hs.75103~~

~~and Acc No.: NM_003406 ;~~

~~(33) A gene sequence as set forth in HS ID: Hs.75117~~

~~and Acc No.: NM_004515 ;~~

~~(34) A gene sequence as set forth in HS ID: Hs.75236~~

~~and Acc No.: NM_021952 ;~~

~~(35) A gene sequence as set forth in HS ID: Hs.75258~~

~~and Acc No.: NM_004893 ;~~

~~(36) A gene sequence as set forth in HS ID: Hs.75498~~

~~and Acc No.: NM_004591 ;~~

~~(37) A gene sequence as set forth in HS ID: Hs.76913~~

~~and Acc No.: NM_002790 ;~~

~~(38) A gene sequence as set forth in HS ID: Hs.79889~~

~~and Acc No.: NM_012329 ;~~

- ~~(39) A gene sequence as set forth in HS ID: Hs.82173 and Acc No.: NM_005655;~~
- ~~(40) A gene sequence as set forth in HS ID: Hs.84072 and Acc No.: NM_004616;~~
- ~~(41) A gene sequence as set forth in HS ID: Hs.85146 and Acc No.: NM_005239;~~
- ~~(42) A gene sequence as set forth in HS ID: Hs.85844 and Acc No.: NM_002529;~~
- ~~(43) A gene sequence as set forth in HS ID: Hs.88219 and Acc No.: NM_003454;~~
- ~~(44) A gene sequence as set forth in HS ID: Hs.88219 and Acc No.: NM_006350;~~
- ~~(45) A gene sequence as set forth in HS ID: Hs.169319 and Acc No.: NM_003419;~~
- ~~(46) A gene sequence as set forth in HS ID: Hs.72805 and Acc No.: NM_030921;~~
- ~~(47) A gene sequence as set forth in HS ID: Hs.108301 and Acc No.: NM_003297;~~
- ~~(48) A gene sequence as set forth in HS ID:~~

~~Hs.177926 and Acc No.: NM_030941;~~

~~(49) A gene sequence as set forth in HS ID:~~

~~Hs.194746 and Acc No.: NM_018896;~~

~~(50) A gene sequence as set forth in HS ID:~~

~~Hs.209061 and Acc No.: NM_003831;~~

~~(51) A gene sequence as set forth in HS ID: Hs.25087~~

~~and Acc No.: NM_006070;~~

~~(52) A gene sequence as set forth in HS ID: Hs.3017~~

~~and Acc No.: NM_003284;~~

~~(53) A gene sequence as set forth in HS ID: Hs.283664~~

~~and Acc No.: NM_032466;~~

~~(54) A gene sequence as set forth in HS ID: Hs.283664~~

~~and Acc No.: NM_032467;~~

~~(55) A gene sequence as set forth in HS ID:~~

~~Hs.171992 and Acc No.: NM_002843;~~

~~(56) A gene sequence as set forth in HS ID: Hs.155172~~

~~and Acc No.: NM_003664;~~

~~(57) A gene sequence as set forth in HS ID:~~

~~Hs.183418 and Acc No.: M37712;~~

- ~~(58) A gene sequence as set forth in HS ID: Hs.244473
and Acc No.: NM_031900;~~
- ~~(59) A gene sequence as set forth in HS ID: Hs.12835
and Acc No.: NM_004842 ;~~
- ~~(60) A gene sequence as set forth in HS ID: Hs.1650
and Acc No.: NM_000111 ;~~
- ~~(61) A gene sequence as set forth in HS ID: Hs.29981
and Acc No.: NM_000112 ;~~
- ~~(62) A gene sequence as set forth in HS ID: Hs.2246
and Acc No.: NM_001308 ;~~
- ~~(63) A gene sequence as set forth in HS ID: Hs.267871
and Acc No.: NM_005177;~~
- ~~(64) A gene sequence as set forth in HS ID: Hs.75445
and Acc No.: NM_004684;~~
- ~~(65) A gene sequence as set forth in HS ID: Hs.39957
and Acc No.: NM_016445;~~
- ~~(66) A gene sequence as set forth in HS ID: Hs.65029
and Acc No.: NM_002048;~~
- ~~(67) A gene sequence as set forth in HS ID:~~

~~Hs.239926 and Acc No.: NM_006745;~~

~~(68) A gene sequence as set forth in HS ID: Hs.59271~~

~~and Acc No.: NM_006758;~~

~~(69) A gene sequence as set forth in HS ID: Hs.8867~~

~~and Acc No.: NM_001554;~~

~~(70) A gene sequence as set forth in HS ID: Hs.50123~~

~~and Acc No.: NM_003452; and~~

~~(71) A gene sequence as set forth in HS ID: Hs.82071~~

~~and Acc No.: NM_006079.~~

3. (Withdrawn) The genes for diagnosing colorectal cancer according to claim 2, wherein said gene sequences are to a testing reagent for detecting colorectal cancer.

4. (Currently amended) The genes for diagnosing colorectal cancer according to claim 2, wherein said gene sequences are present on ~~[[to]]~~ a testing biochip for detecting colorectal cancer.

5. (Withdrawn) The genes for diagnosing colorectal cancer according to claim 2, wherein said gene sequences are to a medicine for

detecting colorectal cancer.

6. (Withdrawn) The genes for diagnosing colorectal cancer according to claim 2, wherein said gene sequences are to a protein testing reagent for detecting colorectal cancer.
7. (Withdrawn) The genes for diagnosing colorectal cancer according to claim 2, wherein said gene sequences are to a protein for curing medicine of colorectal cancer.
8. (Withdrawn) The genes for diagnosing colorectal cancer according to claim 2, wherein said gene sequences are to a vaccine for detecting colorectal cancer.
9. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.107213 and Acc No.: BC027178.
10. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.123107 and Acc No.: NM_002257.

11. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.1369 and Acc No.: NM_000574.
12. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.151254 and Acc No.: NM_005046.
13. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.1526 and Acc No.: NM_001681.
14. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.184270 and Acc No.: NM_006135.
15. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.2043 and Acc No.: NM_001151.

16. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.267871 and Acc No.: NM_005177.
17. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.4935 and Acc No.: D79998.
18. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.5509 and Acc No.: NM_006495.
19. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.5662 and Acc No.: NM_006098.
20. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.75990 and Acc No.: NM_005143.

21. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.83384 and Acc No.: NM_006272.
22. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.10029 and Acc No.: NM_001814.
23. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.103982 and Acc No.: NM_005409.
24. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.12314 and Acc No.: AL049397.
25. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs150557 and Acc No.: NM_001206.

26. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.169266 and Acc No.: NM_000909.
27. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.1827 and Acc No.: NM_002507.
28. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.1869 and Acc No.: NM_002633.
29. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.194148 and Acc No.: NM_005433.
30. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.2352 and Acc No.: X74210.

31. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.246885 and Acc No.: NM_017958.
32. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.29665 and Acc No. NM_014944.
33. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.3235 and Acc No.: NM_002272.
34. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.55209 and Acc No.: AF327354.
35. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.585 and Acc No.: NM_000384.

36. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.62187 and Acc No.: AF022913.
37. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.63290 and Acc No.: NM_012260.
38. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.699 and Acc No.: NM_000942.
39. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.74111 and Acc No.: NM_007367.
40. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.75103 and Acc No.: NM_003406.

41. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.75117 and Acc No.: NM_004515.
42. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.75236 and Acc No.: NM_021952.
43. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.75258 and Acc No.: NM_004893.
44. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.75498 and Acc No.: NM_004591.
45. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.76913 and Acc No.: NM_002790.

46. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.79889 and Acc No.: NM_012329.
47. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.82173 and Acc No.: NM_005655.
48. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.84072 and Acc No.: NM_004616.
49. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.85146 and Acc No.: NM_005239.
50. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.85844 and Acc No.: NM_002529.

51.(Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID Hs.88219:and Acc No.: NM_003454.

52. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence
as set forth in HS ID : Hs.9914and Acc No.: NM_006350.

53. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence
as set forth in HS ID : Hs.169319and Acc No.: NM_003419.

54. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence
as set forth in HS ID : Hs.72805 and Acc No.: NM_030921.

55. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence
as set forth in HS ID : Hs.108301and Acc No.: NM_003297.

56. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID : Hs.177926 and Acc No.: NM_030941.

57. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID : Hs.194746 and Acc No.: NM_018896.

58. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID : Hs.209061 and Acc No.: NM_003831.

59. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID : Hs.25087 and Acc No.: NM_006070.

60. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID: Hs.3017 and Acc No.: NM_003284.

61. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID Hs.283664:and Acc No.: NM_032466.

62. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID: Hs.283664 and Acc No.:NM_032467.

63. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID: Hs.171992 and Acc No:
NM_002843.

64. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID: Hs.155172 and Acc No: NM_003664.

65. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID: Hs.183418 and Acc No: M37712.

66. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID: Hs.244473 and Acc No: NM_031900.

67. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID: Hs.12835 and Acc No: NM_004842.

68. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID: Hs.1650 and Acc No: NM_000111.

69. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.29981 and Acc No.: NM_000112.

70. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.2246 and Acc No.: NM_001308.

71. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.267871 and Acc No.: NM_005177.
72. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.75445 and Acc No.: NM_004684.
73. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.39957 and Acc No.: NM_016445.
74. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.65029 and Acc No.: NM_002048.
75. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.239926 and Acc No.: NM_006745.

76. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.59271 and Acc No.: NM_006758.
77. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.8867 and Acc No.: NM_001554.
78. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.50123 and Acc No.: NM_003452.
79. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.82071 and Acc No.: NM_006079.